SATA QUICKPORT PRO LAN

Manual

english

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Dear customer!

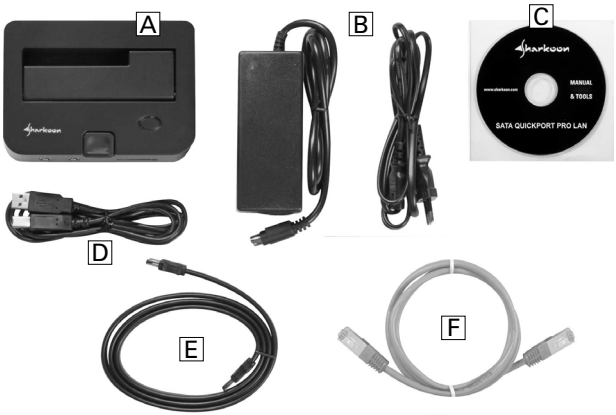
Congratulations for purchasing one premium quality SHARKOON product.
For a long life time and to take full advantage of this product we recommend that you read this manual completely.

Have a good time with our product!
SHARKOON Technologies GmbH

1. Features

- Enables the direct connection of a SATA HDD to your PC
- Suitable for 2.5“ and 3.5“ SATA HDDs
- NDAS functionality due to a network connector and included server software
- USB front hub (2 connectors)
- Card reader (SD, SDHC, MMC/MS)
- External interfaces: USB2.0, eSATA and LAN (RJ-45)
- Premium quality
- On/off button
- LEDs for power and HDD access

2. Parts and accessories



- SATA QuickPort Pro LAN (A)
- Power adaptor (B)
- Tools CD with software and manual (PDF / C)
- USB cable (D)
- eSATA cable (E)
- Patch cable (F)

Note:
If you are missing any of the items listed above, please contact customer service via e-mail at support@sharkoon.com or call: + 49 (0) 6403 – 775 6100

3. The device at a glance

A – Drive bay for SATA HDDs (2.5" and 3.5")
B – On/off button with integrated LED for power and HDD access
C – HDD eject button
D – USB front hub
E – Card reader

A – Power connector
B – Network connector (RJ-45)
C – USB connector
D – eSATA connector
E – Reset button

4. Getting started

4.1 Hardware installation

Note:
Hard disk drive, card reader and USB front hub are accessed via USB while only the HDD may be addressed over eSATA. This means that after connecting the device to your PC over USB and eSATA the HDD will be accessed via eSATA while the card reader and the USB front hub are addressed over USB.
Using the SATA QuickPort Pro LAN in your network means that it can not be connected over eSATA or USB to a PC simultaneously.
Therefore we suggest you to decide how you intend to use the device in advance to avoid further problems.

4.1.1 Local usage

1. Connect the included USB and eSATA cable to the according connectors of the SATA QuickPort Pro LAN and your PC.
2. Connect the included power adapter to the SATA QuickPort Pro LAN and a wall outlet.
3. Slide a 2.5“ or 3.5“ SATA HDD into the HDD slot of the device.
4. Insert a compatible memory card into the card reader and connect a maximum of two USB devices with the USB front hub of the SATA QuickPort Pro LAN.
5. Switch on the device.
6. Your operating system will automatically recognize the connected devices.

4.1.2 Network usage

1. Connect the included patch cable to the network plug of the SATA QuickPort Pro LAN and an available network connector of your switch/hub/router/PC or similar.
2. Connect the included power adapter to the SATA QuickPort Pro LAN and a wall outlet.
3. Install the included software.

4.2 Software installation (Windows for example)

1. Insert the included Tools CD into your CD/DVD drive.
2. Use the Windows Explorer to open the directory of the inserted Tools CD.
3. Double click (left mouse button) "Setup.exe". The installation procedure will start.
   Follow the installation wizard's instructions.
4. To complete the installation you will be prompted to reboot your PC. Confirm this indication.
5. After successfully rebooting your system, the following icon will appear on your desktop:

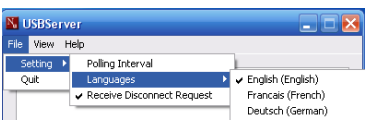
Double-click (left mouse button) this icon to launch the software.

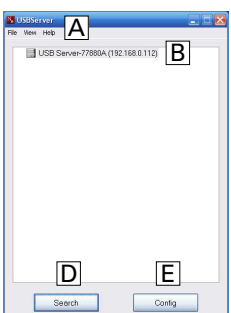
Note:
You need to install this server software on every PC from which you want to access the SATA QuickPort Pro LAN.

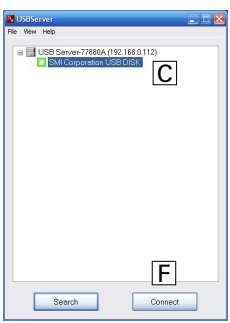
6. Slide a 2.5“ or 3.5“ SATA HDD into the HDD slot of the device.
7. Insert a compatible memory card into the card reader and connect a maximum of two USB devices with the USB front hob of the SATA QuickPort Pro LAN.
8. Switch on the device.

5. The user interface

First set the desired language for the user interface:
File > Setting > Languages:







A – Menu bar containing the entries “File“, “View“ and “Help“

B – USB server with appropriate IP address

C – USB device attached to the USB server (for example a USB stick). Green icon = device available, red icon = device not available

D – “Search“ button: by clicking (left mouse button) this button the search for devices connected to the USB server will be started

E – “Config“ (configuration) button (only shown when the USB server has been selected): left-click this button to

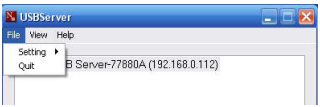
open the USB server's web interface

F – "Connect" button (only shown when an attached USB device has been selected): left-click this button to select the according USB device and to lock it for other users

Note:
The software will detect the connected USB server and associated devices automatically. Furthermore the USB server supports automatic and manual IP address assignment; automatic address assignment via DHCP is selected by default.
In case your firewall prompts you during the installation process allow the USB server to access the respective network resources.

5.1 The user interface's menu bar

5.1.1 The File menu



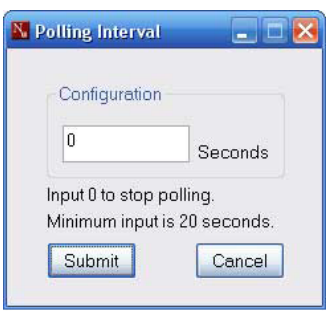
The File menu offers the submenu "Setting" and the entry "Quit".

5.1.1.1 The Setting submenu

The Setting submenu contains the entries "Polling Interval" and "Receive Disconnect Request" as well as the submenu "Languages"

1. The “Languages submenu”:
   From the flip-out menu select the desired language for the user interface.

2. The “Polling Interval” entry:
   This entry lets you define whether and – if yes – in which interval the USB server will poll the status of the connected USB device(s).
   After selecting this menu entry the following window will open up:



   Enter “0” to deactivate this function.
   Enter any value > 20 seconds to activate this function and to set the interval.

3. The “Receive Disconnect Request” entry:
   In case a device is already in use by user A and user B wants to access this device simultaneously he can send the following request to B:

The receipt of this automated request may be turned on/off here.

5.1.1.2 Exiting the program (Quit entry)

Select this menu entry to quit the program.

5.1.2 The View menu

The view menu offers the alternatively selectable entries “Servers And Devices“ and “Devices Only“.

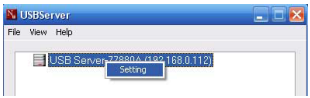
1. The “ Servers and Devices” entry:
   Select this option to display both the USB Server and connected USB devices in the user interface.

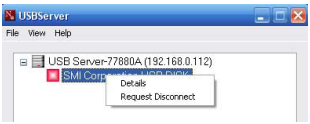
2. The “Devices Only” entry:
   If this option has been selected, the user interface will only show the attached USB devices.

5.1.3 The help menu

Via the “About“ entry you can access some program information.

5.2 The context menus

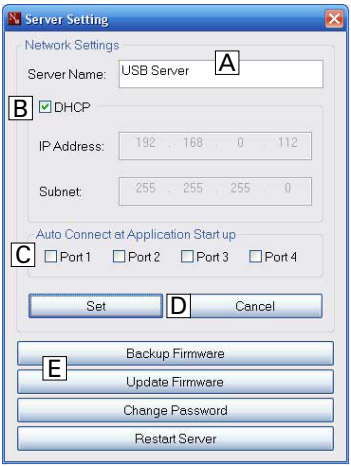




By right-clicking the USB server and the devices entry respectively in the user interface you can access the according context menus.

The devices context menu differs depending on whether the device is available (green icon) or blocked (red icon).

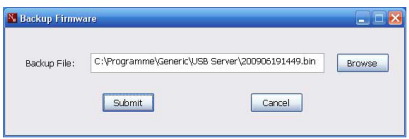
5.2.1 The USB server context menu



A – Enter a name for the USB server here
B – DHCP on (manual IP address off) / DHCP off (manual IP address on)
C – Define which port(s) shall be connected during program start-up automatically
D – "Set" saves your changes, "Cancel" discards them
E – The entries "Backup Firmware", "Update Firmware", "Change Password" and "Restart Server"

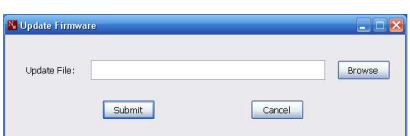
5.2.1.1 Backup Firmware

The USB server offers the possibility to backup the firmware. The pop-up window (see below) already offers a target path for the backup file. Via “Browse” you can change this default path. “Submit” starts the backup, “Cancel” will terminate the action.



5.2.1.2 Update Firmware

In case you have a more actual version of the USB server’s firmware available you may update the current firmware version via this entry. With “Browse” you select the locally saved update version. “Submit” starts, “Cancel” terminates the update procedure.
A current firmware version can be found at www.sharkoon.com.



5.2.1.3 Change Password

In this input window (see below) you may assign a new password. This password is required to configure different settings of the USB server.

5.2.1.4 Restart Server

Select this entry to restart the USB server. A restart may be necessary when the server does not react or other problems have occurred.
You may also force a restart by pressing the reset button on the device.

5.2.2 The USB devices context menu

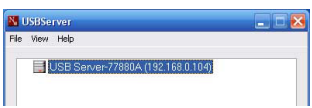
1. The details entry displays some information regarding the attached devices.

2. The “Request Disconnect“ entry is used to send a message to the current user of a blocked device to ask him to unblock the device:

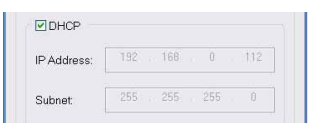
This entry only appears when the device is blocked (red icon).

6. Configuration via web interface

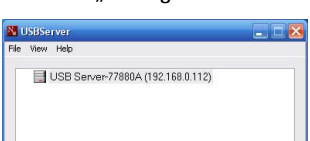
1. Start the server software by double-clicking (left mouse button) the program icon.
2. Start your browser.
3. Enter the server's IP address (without "http://" or "www" put in front) into the browser's address line. The IP address assigned to the server can be found in the user interface of the server program:



or from the server's context menu:

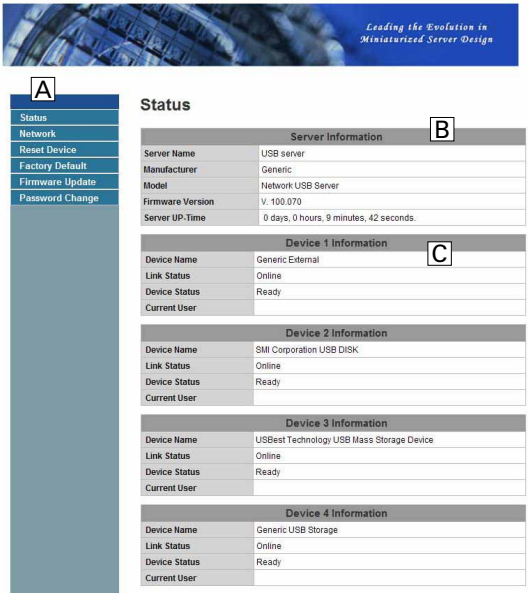


Alternatively select the server's entry from the user interface and click „Config":



4. The browser will display the server's web interface afterwards.

6.1 Status (device status)

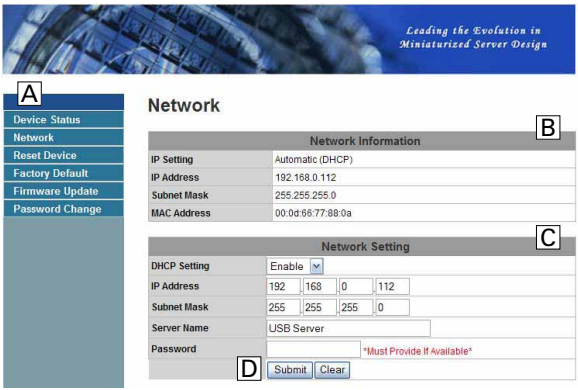


A – Left-click the link to select the respective entry.

B – This area displays various USB server information: Server Name, Manufacturer, Model, Firmware Version and Server Up-Time (time elapsed since server has been started).

C – These areas display various information regarding the connected devices: Device Name, Link Status, Device Status and Current User.

6.2 Network



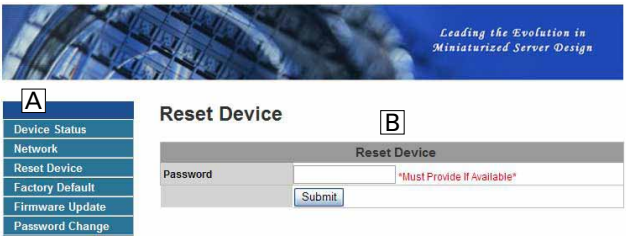
A – Left-click the link to select the respective entry.

B – This area displays the current network status: IP Setting (automatic or manual IP address assignment), IP Address (IP address assigned to the server), Subnet Mask, MAC Address (the server's MAC address).

C – This area allows configuring the network settings.
With "DHCP Setting" you define whether the network address shall be assigned automatically (Enable) or manually (Disable).
The respective manual settings you enter into the areas "IP Address" and "Subnet Mask".
With "Server Name" you may define your own server name.
To protect the server settings from unwanted changes you need to assign a "Password".

D – "Submit" saves your changes while "Clear" will discard them.

6.3 Reset device



A – Left-click the link to select the respective entry.

B – Perform a reset after entering the assigned password into the “Password” area and confirm by clicking the “Submit” button, “Clear” will discard your entry.

6.4 Factory Default

A – Left-click the link to select the respective entry.

B – To recover the factory default settings enter the password into the “Password” area and confirm by left-clicking the “Submit” button, “Clear” will discard your entry.

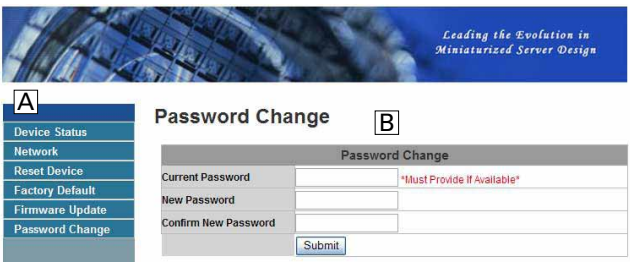
6.5 Firmware Update

A – Left-click the link to select the respective entry.

B – To perform a firmware update, download the respective software from our website and save it locally. Then enter the according password (see above) into the "Password" area and select the source path of the local update file with "Search".

C – "Submit" will confirm and start the update procedure. "Clear" cancels the action.

6.6 Password Change



A – Left-click the link to select the respective entry.

B – To change the current password enter it into the "Current Password" area, then enter the newly assigned password into the "New Password" area. Confirm the new password by re-typing it into the "Confirm New Password" area. Left-clicking "Submit" will complete this procedure, "Clear" will abort.

7. Important notes

1. You need to install the server software on every PC, from which you want to access the SATA QuickPort Pro LAN.

2. Your operating system will treat the connected USB device as if it was directly connected to the PC. This means that potential drivers (e.g. printer drivers) need to be installed on the system (for further details refer to the manuals of the according devices).

3. As the devices will be handled like directly attached hardware, we suggest to remove memory devices (HDDs, USB sticks etc.) using the "Safely remove hardware" function before terminating the connection via "Disconnect".
   The server software will also prompt you with the following note:

Warning
Attention!
You are about to disconnect an external USB storage device from your PC.
Please make sure you have already used the Safe Remove function in the System Tray at the lower right hand corner of your Desktop to stop using this device.
Otherwise you might experience data loss in the USB storage device.
Ja
Nein

Other USB devices such as printers, scanners etc. do not require this step and can directly be disconnected.

4. The USB to IP translation may cause a decrease in transfer speed compared to the native operation of the USB devices and is caused by technical means.

8. Example of use (Windows XP)

User A at his desktop wants to access a hard disk drive that is directly inserted into the SATA QuickPort Pro LAN.
For this purpose he runs the server software which already has been installed on his system.
The user interface of the server software will display the server and the associated devices (fig. 1):

fig. 1

In this example 4 devices have been connected to the SATA QuickPort Pro LAN directly:

A – Compatible memory card inside the card reader
B – USB stick at the 1. USB front connector
C – USB stick at the 2. USB front connector
D – SATA HDD inside the HDD slot

The green icon indicates that the device is available.
To access the device A selects it (1x left click) and then clicks (left mouse button) the “Connect” button.
The operating system will install all required drivers and afterwards it will be displayed by the Windows Explorer.

A now may access and utilize the HDD as if it was directly connected to his PC.

User B also wants to access the HDD connected to the SATA QuickPort Pro LAN. He also runs the already installed server software.
The user interface will display the server and the associated device.
The red icon indicates that the device is currently in usage and is not available; the “Connect” button is set in grey (fig. 2).

fig. 2

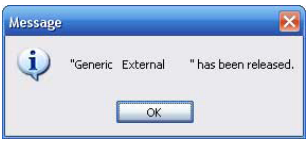
Using the devices context menu (fig. 3), B can send a request (fig. 4) to A who is currently blocking the device.

fig. 3

fig. 4

This request will be displayed on A's screen. A can decide whether he agrees to release the device "Yes" or not "No".

As soon as A has released the device, B will receive the following prompt and can "Connect" to the device.



When B does not need the device any longer he can cancel the connection via "Disconnect" and release the device for further usage.

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Disposal of your old product

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.
When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.
Please be informed about the local separate collection system for electrical and electronic products.
Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences to the environment and human health.

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